

RUBRIC: FLIGHT SIMULATION

Live Performance at State Championship

Skill sets: Students use technology to plan an aviation flight

All students practice ethical, safe and legal behavior using technology.

At State Championship:

- ☐ Each student will complete an Aviation flight simulation quiz based on his or her grade level- elementary, middle or high school.
- ☐ Those scoring above 80% will be given a take-off time to return to the area for their short flight using the flight simulation software.
[HINT: Make sure the kids know the parts of an airplane.]
- ☐ Students may study the map and mission plan form on the reverse side of the quiz while waiting for their take off time.
- ☐ If waiting lines are very long, flight simulation sessions will be limited to no more than three (3) minutes.
- ☐ Students will be given flight missions that reflect an appropriate level of complexity.
- ☐ Best performances on flights will be recognized at the awards program.

Computer Hardware and Software. The following items will be used in the flight simulation competition. There are other hardware and software items that can be used in learning about aviation and flight. These items were selected based on performance and cost and are not endorsed in any form or fashion.

Microsoft Flight Simulator X Standard DVD (about \$19.99 each)

Logitech Extreme 3D Pro Joystick with 12 Button (about \$24.99 each)

Tips for STLP Coach Preparation

There are two challenges in sponsoring this competition at your school. One is the technical aspect of the hardware/software. The second one is the aviation aspect of simulation. To get help with one or both aspects, here are some ideas:

Recruit student(s) to learn software and teach you.

Recruit an aviator from your school's parent base.

Visit local airport to gain aviation/technical support.

Tips for Student Preparation

Visit your local airport with your parents and talk to pilots or other airport workers...find someone who can help you learn about aviation. Share the guidelines with them to learn the information.

Have your parents purchase a flight simulation system (software and joystick - \$50-\$60) and practice, practice, practice!

Contact a Civil Air Patrol squadron near your home and consider joining their aerospace education program.

[<http://www.gocivilairpatrol.com/html/index.htm>].

The Aviation Museum of Kentucky in Lexington <http://www.aviationky.org/>

KY Department of Aviation of the Transportation Cabinet <http://transportation.ky.gov/Aviation/>

Civil Air Patrol <http://www.kywgap.org/>

Aircraft Owners and Pilots Association <http://www.aopa.org>

SCHOOL NAME _____

GRADE LEVEL: Elementary Middle School High School

NAME : _____

Tier 1 Screening		
	Arrives on time for test	
Tier 2	Criteria	Score
	Quiz	
Tier 3 Finalists	Short Flight	
	TOTAL SCORE:	